Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

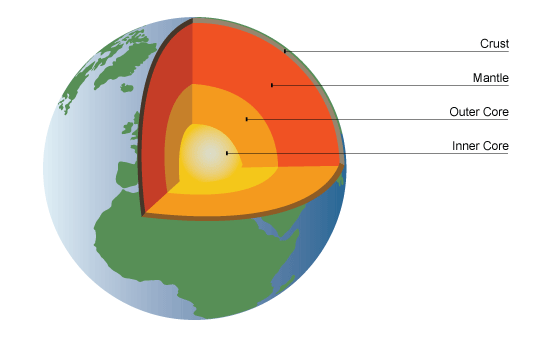
Multiple Choice (3 points each)

1. Geologists study
   1. Animals and their habits
   2. Stars and planets
   3. Water and chemicals
   4. Earth and its processes
2. The thick layer beneath the crust, made up of solid rock, is called
   1. Atmosphere
   2. Mantle
   3. Outer Core
   4. Inner Core
3. The Mantle is made up of these three layers:
   1. Lithosphere, Asthenosphere, Mesosphere
   2. Listsosphere, Atmosphere, Megasphere
   3. Lithosphere, Atmosphere, Moltensphere
   4. Listsosphere, Asthenosphere, Mesosphere
4. Rocks are made up of minerals or mineral materials.
   1. True
   2. False
5. Which of the following is NOT a property used to identify minerals?
   1. Color
   2. Streak
   3. Density
   4. Temperature
6. The \_\_\_\_\_\_\_\_\_\_\_\_ of a mineral is how the mineral breaks.
   1. hardness
   2. fracture
   3. luster
   4. crystal structure
7. The three major groups of rocks are igneous, sedimentary and
   1. Molten
   2. Magnetamorphic
   3. Mixed
   4. Metamorphic
8. What is magma called when it is flowing out of volcanoes?
   1. Igneous Rock
   2. Sediment
   3. Lava
   4. Mercury
9. Conglomerate rocks are a type of \_\_\_\_\_\_\_\_\_\_\_\_ rocks.
   1. igneous
   2. metamorphic
   3. sedimentary
   4. magnetic
10. What is the rock cycle?
    1. The cycle of rocks moving from one continent to another
    2. The process of rocks getting smaller over time
    3. The way that rocks are broken down for animals to eat
    4. The changes of rocks from one form to another
11. How many types of rocks are involved in the rock cycle?
    1. 1
    2. 2
    3. 3
    4. 4
12. The “supercontinent” where all continents were joined is called
    1. Panera
    2. Pangaea
    3. Pantheon
    4. Pokémon
13. What type of plate boundary occurs when two plates move toward each other?
    1. Divergent
    2. Convergent
    3. Transform
14. What type of plate boundary occurs when two plates move away from each other?
    1. Divergent
    2. Convergent
    3. Transform
15. What type of plate boundary occurs when plates slide away from each other?
    1. Divergent
    2. Convergent
    3. Transform
16. P waves are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ S waves.
    1. faster than
    2. slower than
    3. louder than
    4. the same as
17. What does a seismograph measure?
    1. The damage an earthquake causes
    2. When the next earthquake will strike
    3. The seismic waves caused by an earthquake
    4. Where S waves travel through the ocean
18. What is the location inside the Earth where an earthquake begins?
    1. Focus
    2. Ridge
    3. Hot spot
    4. Epicenter
19. Volcanoes erupt in quiet eruptions and \_\_\_\_\_\_\_\_\_\_\_ eruptions.
    1. loud
    2. large
    3. extensive
    4. explosive
20. Which is NOT part of the structure of a volcano?
    1. Magma chamber
    2. Ridge
    3. Pipe
    4. Vent

Diagrams

Fill in the blanks (each blank worth 3 points)

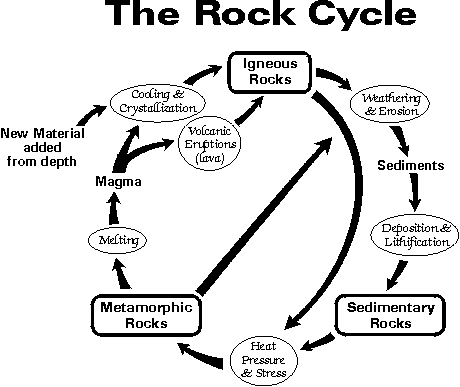
4 Layers of Earth



What layer is liquid? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Rock Cycle

(<http://www.okaloosa.k12.fl.us/technology/WOWLessons/WOWResources/RockCycleDiagram.gif>)



Short Paragraph

Scientists have shown how earthquakes and volcanoes are usually found in specific areas of the world. Would you expect earthquakes and volcanoes to happen in Rhode Island? Why or why not?

